



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|----------------------------|------------------------|
| 10/688,430 | 10/17/2003 | Janne La. Aaltonen | 042933/269773 | 2213 |
| 826 7590 04/15/2008 ALSTON & BIRD LLP BANK OF AMERICA PLAZA 101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000 | | | EXAMINER LAI, MICHAEL C | |
| | | | ART UNIT 2157 | PAPER NUMBER |
| | | | MAIL DATE 04/15/2008 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/688,430

Applicant(s)

AALTONEN ET AL.

Examiner

MICHAEL C. LAI

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2008.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-25, 27-42, 44-59 and 61-70 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-6, 8-25, 27-42, 44-59, 61-70 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 17 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 01/03/2008
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

This office action is responsive to amendment filed on 1/3/2008.

Response to Amendment

The examiner has acknowledged the amended claims 1, 11, 20, 29, 37, 46, 54, 63, and cancelled claims 7, 26, 43, 60.

Response to Arguments

Applicant's arguments with respect to claims 1-6, 8-25, 27-42, 44-59, 61-70 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

1. Claim 20 is objected to because of the following informalities: line 2 "memory" should be "a memory." Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6, 8-25, 27-42, 44-59 and 61-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hendricks et al. (US 5,798,785, hereinafter Hendricks) in view of Inoue et al. (US 5,826,168, hereinafter Inoue).
4. Regarding claim 1, Hendricks discloses a system comprising:
a terminal triggerable to obtain a location of the terminal (address field 924 FIG. 7b ; col. 15, lines 55-65) by accessing at least one piece of content from a memory of

the terminal after receiving the at least one piece of content, wherein the terminal is also configured to store, into a content usage log, at least one content usage statistic relating to the terminal accessing the at least one piece of content, and wherein at least one content usage statistic comprises the location of the terminal (220 Set top terminal FIG. 3 and col. 9 line 21 through col. 10 line 62); and

a destination configured to receive the content usage log including the at least one content usage statistic (202 Operations Center Fig. 3 and col. 9, lines 11-19).

Hendricks discloses substantially all the limitations in claim 1, but fails to teach accessing at least one piece of content from a memory of the terminal in an offline manner (pre-broadcast content, application page 5, lines 19-28). However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

5. Regarding claim 2, Hendricks further discloses wherein the terminal is configured to receive at least one piece of content in accordance with a broadband data broadcast technique (col. 9, lines 50-59), and wherein the at least one piece of content comprises at least one piece of content for at least one channel comprising at least one of a television, radio or data channel (col. 10, lines 25-31).
6. Regarding claim 3, Hendricks further discloses wherein the terminal is configured to send the content usage log to the destination when a return channel between the terminal and the destination is at least one of available or established (col. 13 line 56 through col. 14 line 6. Note that cable headend 208 communicates with operation center 202 or statistical and billing sites).
7. Regarding claim 4, Hendricks fails to disclose that the terminal is configured to access at least one piece of pre-broadcast content related to broadcast content, and wherein the terminal is configured to send the content usage log to the destination before the broadcast content is broadcast. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a

broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50). It would also have been obvious to a person with ordinary skill in the art at the time the invention was made to try to collect pre-broadcast statistics by sending the content usage log to the destination before the broadcast content is broadcast, thereby providing useful information about media sampling/promotion.

8. Regarding claim 5, Hendricks fails to disclose the limitations. However, Inoue teaches wherein the at least one piece of pre-broadcast content comprises a set of at least one television program over a given time period for at least one television channel (FIG. 2B), wherein the terminal is configured to access the at least one piece of pre-broadcast content at least a predefined period of time before the broadcast content is broadcast (T1 FIG. 2B), and wherein the predefined period of time comprises the given time period (17 minutes FIG. 2B). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

9. Regarding claim 6, Hendricks further discloses wherein the terminal is configured to store at least one content usage statistic further comprising at least one statistic related to at least one of the terminal and the at least one piece of content accessed from the memory (col. 10, lines 13-24).

10. Regarding claim 8, Hendricks further discloses wherein the terminal is configured to be repeatedly triggered to obtain a location of the terminal and store at least one

content usage statistic for at least one period of time, and wherein the terminal is further configured to send the content usage log to the destination after each period of time (col. 13 line 56 through col. 14 line 6; col. 15, lines 55-65).

11. Regarding claim 9, Hendricks further discloses wherein the destination is configured to receive the content usage log including the at least one content usage statistic such that a network entity is configured to send, to the terminal, at least one piece of content based upon the at least one content usage statistic (col. 29, lines 26-43).

12. Regarding claim 10, Hendricks further discloses wherein the terminal is configured to store at least one content usage statistic further comprising at least one of a type of the at least one piece of content accessed from the memory, a time the at least one piece of content was accessed from memory, information regarding used connection types, or information regarding available connection types comprising at least one of a signal strength, capacity or utilization rate of the connection types (col. 7, lines 15-29, capacity improvement).

13. Regarding claim 11, Hendricks discloses a system comprising:

a terminal configured to access at least one piece of content from a memory (220 Set top terminal FIG. 3 and col. 9 line 21 through col. 10 line 62); and

a destination configured to receive the content usage log including the at least one content usage statistic (202 Operations Center Fig. 3 and col. 9, lines 11-19).

Hendricks discloses substantially all the limitations in claim 11, but fails to teach wherein the at least one piece of content comprises at least one piece of pre-broadcast content related to broadcast content, the pre-broadcast content including the broadcast content, wherein the terminal is also configured to store, into a content usage log, at least one content usage statistic relating to the terminal accessing the at least one piece of pre-broadcast content from the memory. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

Hendricks discloses substantially all the limitations in claim 11 as discussed above, but fails to teach that the destination configured to receive one content usage statistic before the broadcast content is broadcast. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately

Art Unit: 2157

reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to try to collect pre-broadcast statistics by receiving content usage statistic before the broadcast content is broadcast, thereby providing useful information about media sampling/promotion.

14. Regarding claim 12, Hendricks further discloses wherein the terminal is configured to receive at least one piece of content in accordance with a broadband data broadcast technique (col. 9, lines 50-59), and wherein the at least one piece of content comprises at least one piece of content for at least one channel comprising at least one of a television, radio or data channel (col. 10, lines 25-31).

15. Regarding claim 13, Hendricks further discloses wherein the terminal is configured to send the content usage log to the destination when a return channel between the terminal and the destination is at least one of available or established (col. 13 line 56 through col. 14 line 6. Note that cable headend 208 communicates with operation center 202 or statistical and billing sites).

16. Regarding claim 14, Hendricks further discloses wherein the terminal is configured to store at least one content usage statistic further comprising at least one statistic related to at least one of the terminal and the at least one piece of content accessed from the memory (col. 10, lines 13-24).

17. Regarding claim 15, Hendricks discloses substantially all the limitations in claim 11, but fails to teach accessing at least one piece of content from a memory of a

terminal in an offline manner (pre-broadcast content, application page 5, lines 19-28). However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

18. Regarding claim 16, Hendricks further discloses wherein the terminal is configured to repeatedly access at least one piece of content and storing at least one content usage statistic for a period of time before the broadcast content is broadcast, and wherein the terminal is configured to send the content usage log to the destination after the period of time and before the broadcast content is broadcast (col. 13 line 56 through col. 14 line 6; col. 15, lines 55-65).

19. Regarding claim 17, Hendricks fails to disclose the limitations. However, Inoue teaches wherein the at least one piece of pre-broadcast content comprises a set of at least one television program over a given time period for at least one television channel (FIG. 2B), wherein the terminal is configured to access the at least one piece of pre-broadcast content at least a predefined period of time before the broadcast content is

broadcast (T1 FIG. 2B), and wherein the predefined period of time comprises the given time period (17 minutes FIG. 2B). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

20. Regarding claim 18, Hendricks further discloses wherein the destination (a viewing information server) is configured to receive the content usage log including the at least one content usage statistic such that a network entity is configured to send, to the terminal, at least one piece of content based upon the at least one content usage statistic (col. 29, lines 26-43).

21. Regarding claim 19, Hendricks further discloses wherein the terminal is configured to store at least one content usage statistic further comprising at least one of a type of the at least one piece of content accessed from the memory, a time the at least one piece of content was accessed from memory, information regarding used connection types, or information regarding available connection types comprising at least one of a signal strength, capacity or utilization rate of the connection types (col. 7, lines 15-29, capacity improvement).

22. Regarding claim 20, Hendricks discloses an apparatus comprising:

a controller (microprocessor 602 FIG. 4) configured to access at least one piece of content from memory after receiving the at least one piece of content, wherein the controller is triggerable to obtain a location of the apparatus (address field 924 FIG. 7b ;

col. 15, lines 55-65) by the controller accessing the at least one piece of content from the memory (col. 10, lines 13-24), and

wherein the controller is also configured to store, into a content usage log, at least one content usage statistic relating to the controller accessing the at least one piece of content, wherein at least one content usage statistic comprises the location of the apparatus (col. 9 line 21 through col. 10 line 62).

Hendricks discloses substantially all the limitations in claim 20, but fails to teach accessing at least one piece of content from a memory of the terminal in an offline manner (pre-broadcast content, application page 5, lines 19-28). However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

23. Regarding claim 21, Hendricks further discloses wherein the apparatus is configured to receive at least one piece of content in accordance with a broadband data broadcast technique (col. 9, lines 50-59), and wherein the at least one piece of content

comprises at least one piece of content for at least one channel comprising at least one of a television, radio or data channel (col. 10, lines 25-31).

24. Regarding claim 22, Hendricks further discloses wherein the apparatus is configured to send the content usage log to the destination when a return channel between the terminal and the destination is at least one of available or established (col. 13 line 56 through col. 14 line 6. Note that cable headend 208 communicates with operation center 202 or statistical and billing sites).

25. Regarding claim 23, Hendricks fails to disclose that the apparatus is configured to receive and store at least one piece of pre-broadcast content related to broadcast content, and wherein the controller is configured to send the content usage log to a destination before the broadcast content is broadcast. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50). It would also have been obvious to a person with ordinary skill in the art at the time the invention was made to try to collect pre-broadcast statistics by sending the content

usage log to the destination before the broadcast content is broadcast, thereby providing useful information about media sampling/promotion.

26. Regarding claim 24, Hendricks fails to disclose the limitations. However, Inoue teaches wherein the at least one piece of pre-broadcast content comprises a set of at least one television program over a given time period for at least one television channel (FIG. 2B), wherein the terminal is configured to access the at least one piece of pre-broadcast content at least a predefined period of time before the broadcast content is broadcast (T1 FIG. 2B), and wherein the predefined period of time comprises the given time period (17 minutes FIG. 2B). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

27. Regarding claim 25, Hendricks further discloses wherein the controller is configured to store at least one content usage statistic further comprising at least one statistic related to at least one of the apparatus or the at least one piece of content accessed from the memory of the apparatus (col. 10, lines 13-24).

28. Regarding claim 27, Hendricks further discloses wherein the controller is configured to repeatedly access at least one piece of content, and the controller is configured to repeatedly obtain a location of the apparatus, and repeatedly store at least one content usage statistic for at least one period of time, and wherein the controller is

further configured to send the content usage log to a destination after each period of time (col. 13 line 56 through col. 14 line 6; col. 15, lines 55-65).

29. Regarding claim 28, Hendricks further discloses wherein the controller is configured to store at least one content usage statistic further comprising at least one of a type of the at least one piece of content accessed from the memory, a time the at least one piece of content was accessed from memory, information regarding used connection types, or information regarding available connection types comprising at least one of a signal strength, capacity or utilization rate of the connection types (col. 7, lines 15-29, capacity improvement).

30. Regarding claim 29, Hendricks discloses an apparatus comprising:

a controller configured to access at least one piece of content from a memory (220 Set top terminal FIG. 3 and col. 9 line 21 through col. 10 line 62),

wherein the controller is also configured to store, into a content usage log (col. 9 line 21 through col. 10 line 62).

Hendricks discloses substantially all the limitations in claim 29, but fails to teach wherein the at least one piece of content comprises at least one piece of pre-broadcast content related to broadcast content, the pre-broadcast content including the broadcast content, wherein the terminal is also configured to store, into a content usage log, at least one content usage statistic relating to the terminal accessing the at least one piece of pre-broadcast content from the memory. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the

buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

Hendricks discloses substantially all the limitations in claim 11 as discussed above, but fails to teach that the destination configured to receive one content usage statistic before the broadcast content is broadcast. However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment (pre-broadcast) is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to try to collect pre-broadcast statistics by receiving content usage statistic before the broadcast content is broadcast, thereby providing useful information about media sampling/promotion.

31. Regarding claim 30, Hendricks further discloses wherein the apparatus is configured to receive at least one piece of content in accordance with a broadband data broadcast technique (col. 9, lines 50-59), and wherein the at least one piece of content comprises at least one piece of content for at least one channel comprising at least one of a television, radio or data channel (col. 10, lines 25-31).

32. Regarding claim 31, Hendricks further discloses wherein the apparatus is configured to send the content usage log to the destination when a return channel between the apparatus and the destination is at least one of available or established (col. 13 line 56 through col. 14 line 6. Note that cable headend 208 communicates with operation center 202 or statistical and billing sites).

33. Regarding claim 32, Hendricks further discloses wherein the controller is configured to store at least one content usage statistic further comprising at least one statistic related to at least one of the apparatus and the at least one piece of content accessed from the memory of the apparatus(col. 10, lines 13-24).

34. Regarding claim 33, Hendricks discloses substantially all the limitations in claim 11, but fails to teach accessing at least one piece of content from a memory of an apparatus in an offline manner (pre-broadcast content, application page 5, lines 19-28). However, Inoue teaches a near video-on-demand signal receiver pre-stores the first segment of a desired video program in the buffer memory apparatus. When a user requests reception and display of the video program, the pre-recorded segment is immediately reproduced and displayed while the receiver scans the channels carrying the program for the remaining segment of the program (col. 8, lines 37-49). It would

have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

35. Regarding claim 34, Hendricks further discloses wherein the controller is configured to repeatedly access at least one piece of content and repeatedly store at least one content usage statistic for a period of time before the broadcast content is broadcast, and wherein the terminal is configured to send the content usage log to a destination after the period of time and before the broadcast content is broadcast (col. 13 line 56 through col. 14 line 6; col. 15, lines 55-65).

36. Regarding claim 35, Hendricks fails to disclose the limitations. However, Inoue teaches wherein the at least one piece of pre-broadcast content comprises a set of at least one television program over a given time period for at least one television channel (FIG. 2B), wherein the terminal is configured to access the at least one piece of pre-broadcast content at least a predefined period of time before the broadcast content is broadcast (T1 FIG. 2B), and wherein the predefined period of time comprises the given time period (17 minutes FIG. 2B). It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Inoue's teaching into Hendricks' system for the purpose of accommodating the viewing schedule of a user by buffering the display of video signals transmitted by a broadcaster, thereby providing a true near video-on-demand service (col. 2, lines 47-50).

37. Regarding claim 36, Hendricks further discloses wherein the controller is configured to store at least one content usage statistic further comprising at least one of a type of the at least one piece of content accessed from the memory, a time the at least one piece of content was accessed from memory, information regarding used connection types, or information regarding available connection types comprising at least one of a signal strength, capacity or utilization rate of the connection types (col. 7, lines 15-29, capacity improvement).

38. Claims 37-39, 42, 44-45 are of the same scope as claims 1-3, 6, 8, and 10 respectively. They are rejected for the same reasons as for claims 1-3, 6, 8, and 10 respectively.

39. Claims 40-41, 46-53 are of the same scope as claims 4-5, 11-17, and 19 respectively. They are rejected for the same reasons as for claims 4-5, 11-17, and 19 respectively.

40. Claims 54-56, 59, 61-62 are of the same scope as claims 1-3, 6, 8, and 10 respectively. They are rejected for the same reasons as for claims 1-3, 6, 8, and 10 respectively.

41. Claims 57-58, 63-70 are of the same scope as claims 4-5, 11-17, and 19 respectively. They are rejected for the same reasons as for claims 4-5, 11-17, and 19 respectively.

Conclusion

42. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is reminded that in amending in response to a rejection

of claims, the patentable novelty must be clearly shown in view of the state of the art disclosed by the references cited and the objection made. Applicant must show how the amendments avoid such references and objections. See 37 CFR 1.111(c).

43. Garfinkle, US Patent Number 5,530,754, has taught a video-on-demand system providing so-called trailers or previews for certain of the video products, and lead-ins for the initial portions of certain products to provide a seamless lead in to program material ordered from the central station.

Examiner's Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Lai whose telephone number is (571) 270-3236. The examiner can normally be reached on M-F 8:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael C. Lai
07APR2008

/Yves Dalencourt/
Primary Examiner, Art Unit 2157